

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME
W.M. BARR & COMPANY, INC.ADDRESS
2105 Channel Ave.
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1
901-775-0100EMERGENCY CONTACT
W.M. Barr Technical Services

EMERGENCY INFORMATION

"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATIONINVENTORY ITEM #
QPJ389PRODUCT NAME
KLEAN-GREEN DRIVEWAY CLEANERREVISED BY
W.M. Barr Technical ServicesREVISION DATE
07/20/1992

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CARCINOGENICITY

| SUBSTANCE DESCRIPTION | PERCENT | CAS# | NTP | ACGIH | OSHA | IARC |
|--|---------|------------|-----|-------|------|------|
| DODECYLBENZENE SULFONIC ACID SOLUTION | 5- 10 | 27176-87-0 | N | N | N | N |
| ** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING ** | | | | | | |
| DODECYLBENZENE SULFONIC ACID | 95-100 | 27176-87-0 | N | N | N | N |
| SODIUM SILICATE SOLUTION | 1- 5 | 1344-09-8 | N | N | N | N |
| NONYLPHENOXYPOLYETHOXYETHANOL | 1- 5 | 9016-45-9 | N | N | N | N |

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

| SUBSTANCE DESCRIPTION | REG.AGCY | U/M | TWA | STEL | CEIL | SKIN | PEL |
|---------------------------------------|---------------|----------------|------------|------------|------------|--------|-------------|
| DODECYLBENZENE SULFONIC ACID SOLUTION | ACGIH OSHA | PPM PPM | N/E N/E | N/E N/E | N/E N/E | N N | N/E N/E |
| DODECYLBENZENE SULFONIC ACID | ACGIH OSHA | PPM PPM | N/E N/E | N/E N/E | N/E N/E | N N | N/E N/E |
| SODIUM SILICATE SOLUTION | ACGIH OSHA | MG/M3 MG/M3 | N/E N/E | N/E N/E | N/E N/E | N N | N/E 2.00 |
| NONYLPHENOXYPOLYETHOXYETHANOL | ACGIH OSHA | PPM PPM | N/E N/E | N/E N/E | N/E N/E | N N | N/E N/E |

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 2

SECTION 3. REGULATORY INFORMATION
(CONTINUED)

CALIFORNIA (PROPOSITION #65)

Ingredients in this product are not listed on California's Prop 65 list: "Chemicals Known to the State to Cause Cancer or Reproductive Toxicity."

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains no chemicals subject to the reporting requirements of SARA III: Section 313.

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

May cause irritation to respiratory tract; cough; and difficult breathing.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

This product is a skin irritant. May cause irritation; defatting; and dermatitis.

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful if swallowed. May cause headache; nausea; frequent urination; acid in urine; gastrointestinal irritation; and blood disorders.

CHRONIC EXPOSURE EFFECTS

May cause skin irritation and drying of skin.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the skin.

PRIMARY ROUTE OF EXPOSURE

Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

INHALATION

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 3

SECTION 5. FIRST AID MEASURES
(CONTINUED)

SKIN CONTACT

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

EYE CONTACT

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

INGESTION

Do not induce vomiting. Drink large quantities of water. Never give anything by mouth to an unconscious person. Call your poison control center, hospital emergency room, or physician immediately for instructions.

NOTE TO PHYSICIAN

This formula is registered with POISINDEX.
Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

| HAZARD RATING SOURCE | HMIS | NFPA |
|----------------------|------|------|
| HEALTH | 3 | 3 |
| FLAMMABILITY | 0 | 0 |
| REACTIVITY | 0 | 0 |
| OTHER | B | NA |

FLASH METHOD

N/A NA

FLASH POINT

N/E F N/E C N/A

LOWER EXPLOSION LIMIT

N/E

GENERAL COMMENTS

OSHA FLAMMABILITY: Not Applicable

EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE AND EXPLOSION HAZARDS

Keep container tightly closed.

SECTION 7. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. SMALL SPILLS: take up liquid with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable. LARGE SPILLS: dike far ahead of spill for later disposal.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 4

=====

SECTION 7. ACCIDENTAL RELEASE MEASURES
(CONTINUED)

=====

For transportation related spills contact Chemtrec at 1-800-424-9300
for emergency assistance.

WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal
regulations.

=====

SECTION 8. HANDLING AND STORAGE

STORAGE

Protect from freezing. Avoid extreme high or low temperatures.

HANDLING

Read carefully all cautions and directions on product label before
use. Since empty container retains residue, follow all label
warnings even after container is empty. Dispose of empty container
according to all regulations. Do not reuse this container.

=====

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION

For D.O.T. invoices, contact W.M. Barr Technical Services
Department.

=====

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

Use in a well-ventilated area.

RESPIRATORY PROTECTION

Usually none required.

SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be
discarded. Promptly remove clothing that becomes soiled with product.

EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended
to safeguard against potential eye contact, irritation, or injury.
Contact lenses should not be worn while working with chemicals.

OTHER PROTECTION

Various application methods can dictate use of additional protective
safety equipment, such as impermeable aprons, etc., to minimize
exposure. A source of clean water should be available in the work
area for flushing eyes and skin. Do not eat, drink, or smoke in the
work area. Wash hands thoroughly after use. Before reuse,
thoroughly clean any clothing or protective equipment that has been
contaminated by prior use. Discard any clothing or other
protective equipment that cannot be decontaminated, such as gloves
or shoes.

=====

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %

94.000
by weight

BOILING POINT

GT 212.00 F 100.00 C BOILING RANGE: 212 F - 225 F

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE

5

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)
-----VAPOR DENSITY (Air = 1.0)
Heavier than airEVAPORATION RATE
Slower than etherBULK DENSITY
8.677
lbs/gal at 75 FpH FACTOR
N/EPHOTOCHEMICALLY REACTIVE
NOMAX V.O.C.
0 grams per liter (excluding exempt solvents & water)MAX VAPOR PRESSURE
(of the V.O.C.) 0mm Hg at 20 degrees C-----
SECTION 12. STABILITY AND REACTIVITY
-----INCOMPATIBILITIES
Incompatible with strong oxidizing agents.DECOMPOSITION
Thermal decomposition may produce acrid smoke and fumes; sulfur dioxide; hydrogen sulfide; and hydrogen.POLYMERIZATION
Will not occur.STABILITY
Stable.-----
SECTION 13. ADDITIONAL INFORMATION

IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

LEGEND:

PPM = parts per million
MG/M3 = milligrams per cubic meter
N/E or NE = none established
GT = greater than
N/A or NA = not applicable
TCC = tag closed cup
TOC = tag open cup
PMCC = Pensky-Martens closed cup
IDLH = Immediately Dangerous to Life and Health

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005
W. M. Barr

PAGE 6

SECTION 13. ADDITIONAL INFORMATION
(CONTINUED)

END OF MSDS